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May 21, 2004

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**METHOD FOR CORRECTING THE EFFECTS OF INTERDETECTOR BAND  
BROADENING**

Application No.: 10/665,903  
Inventor: Steven P. Trainoff  
Title: Method for correcting the effects of interdetector band broadening  
Date of filing: September 18, 2003  
Assignee: Wyatt Technology Corporation  
P. O. Box 3003  
Santa Barbara, CA 93130-3003  
Registered Agent: Philip J. Wyatt, Reg. No. 32,449  
Attorney Docket No.: WTC 0303

Pursuant to 37 CFR 1.97 (b) (3), the applicant herewith submits an information disclosure statement for the above referenced patent application. A close examination of the recent literature resulted in finding the referenced section of the textbook, *Handbook of Size Exclusion Chromatography and Related Techniques*, Marcel Dekker, New York, 2004. In the chapter by Barth and Jackson (pages 99 *et seq.*), the authors note the problems with interdetector band broadening at page 117 of their chapter. There they state

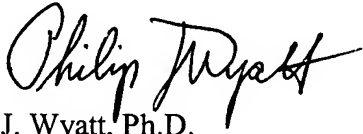
“...This effect can be corrected by injecting a narrow MWD sample and measuring the variance of the peaks in each detector. Because the peak shape is nearly Gaussian, it should, ideally, be the same for all detectors. If it is not, the additional variance can be calculated for one of the detectors. In subsequent data analysis, the narrower peak can be digitally broadened using Gaussian band spreading to correct for this mismatch...”

There are several ways this comment differs from what is disclosed in the present application. First, Barth and Jackson explicitly assume that both the peak shapes and the interdetector broadening kernel is Gaussian so that it can be characterized by simply measuring the variance of the peaks. The application, on the other hand, shows on both theoretical and practical grounds that the broadening is *NOT* Gaussian and makes *no* assumption about the peak shapes,

so a more sophisticated analysis must be applied. Furthermore, the patent discloses an algorithm that may be used to determine the broadening parameters as well as the interdetector volume for any model.

Please feel free to call the undersigned should you have any comments or questions.

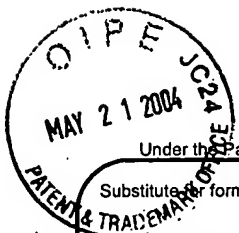
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A handwritten signature in black ink, appearing to read "Philip J. Wyatt". The signature is written in a cursive, flowing style.

Philip J. Wyatt, Ph.D.

Chief Executive Officer and Agent for the Applicant, Wyatt Technology Corporation  
U. S. P. T. O. Registration No. 32,449

Enclosure: Information Disclosure Statement by Applicant (PTO/SB/08B)  
Photocopy of chapter being disclosed



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/665,903
Filing Date	September 18, 2003
First Named Inventor	Steven P. Trainoff
Art Unit	2857
Examiner Name	
Attorney Docket Number	WTC0303

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		C. JACKSON, H. G. BARTH, "Molecular Weight Sensitive Detectors for Size Exclusion Chromatography," Chapter 4, Handbook of Size Exclusion Chromatography and Related Techniques (2nd Edition), Ed. Chi-san Wu, 2004, pp 99-138, Marcel Dekker, New York.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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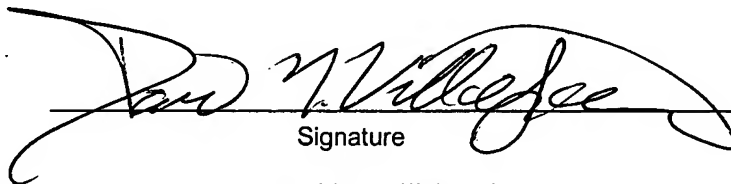


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